



Appendix B. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Left Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.869$ mho/m; $\epsilon_r = 43.115$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.617 mW/g

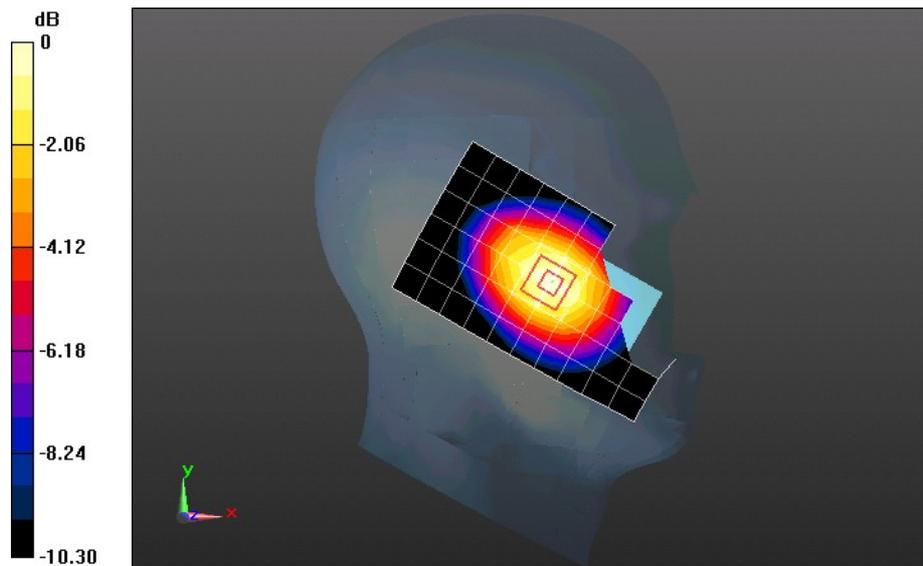
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.651 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.7520

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.411 mW/g

Maximum value of SAR (measured) = 0.611 mW/g



0 dB = 0.610mW/g = -4.29 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Left Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.869$ mho/m; $\epsilon_r = 43.115$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.323 mW/g

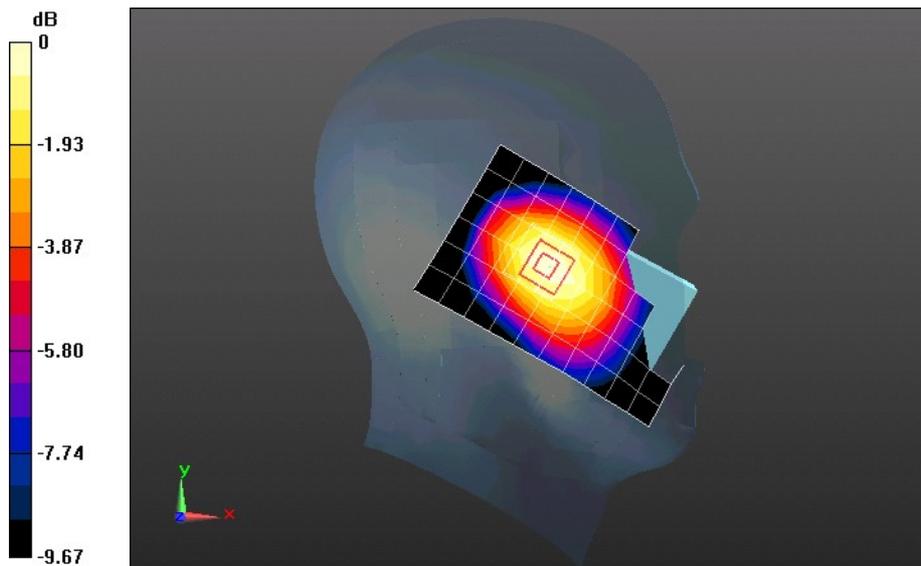
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.198 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.4090

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.332 mW/g



0 dB = 0.330mW/g = -9.63 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Right Hand Touch Cheek

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.869$ mho/m; $\epsilon_r = 43.115$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.582 mW/g

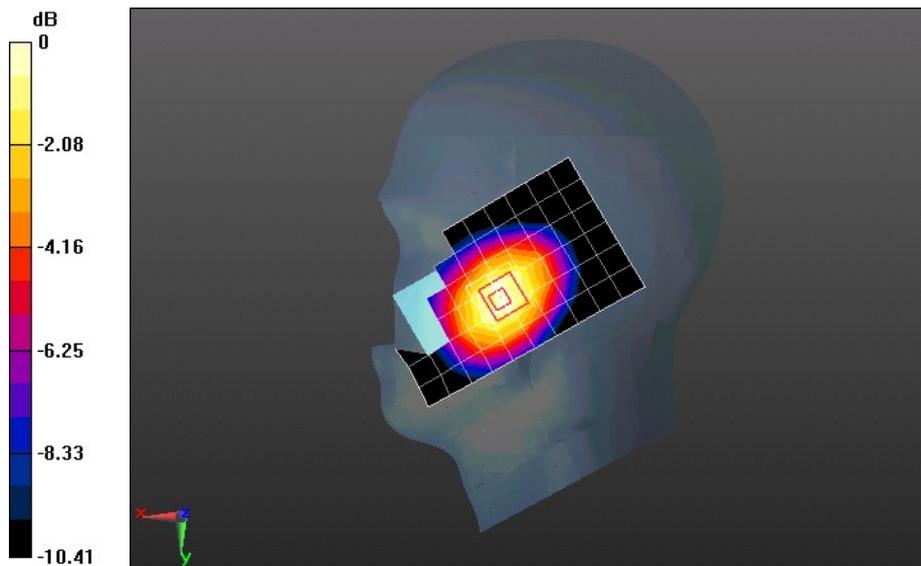
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 9.084 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.7700

SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.630mW/g = -4.01 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Right Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.869$ mho/m; $\epsilon_r = 43.115$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.342 mW/g

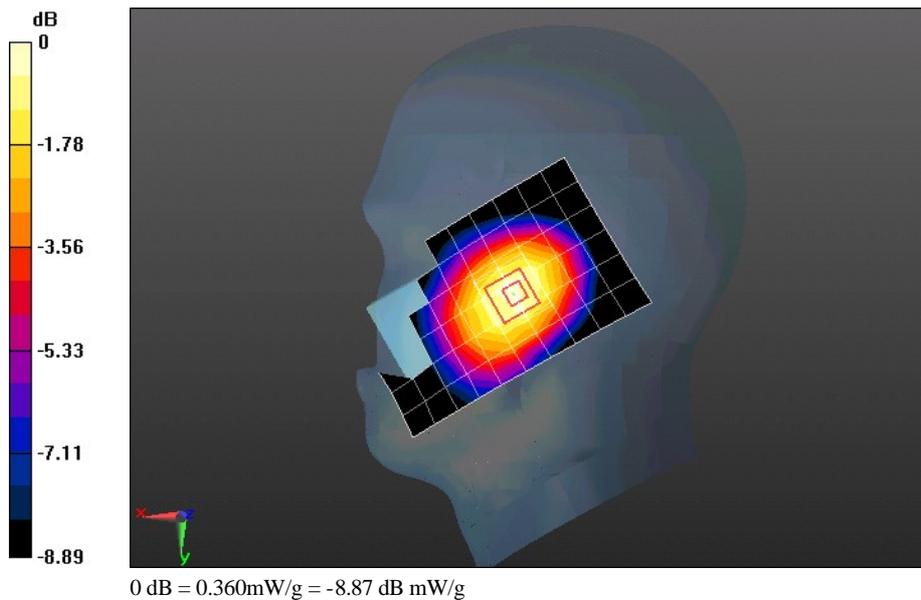
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.760 V/m; Power Drift = -0.0027 dB

Peak SAR (extrapolated) = 0.4380

SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.357 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Right Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

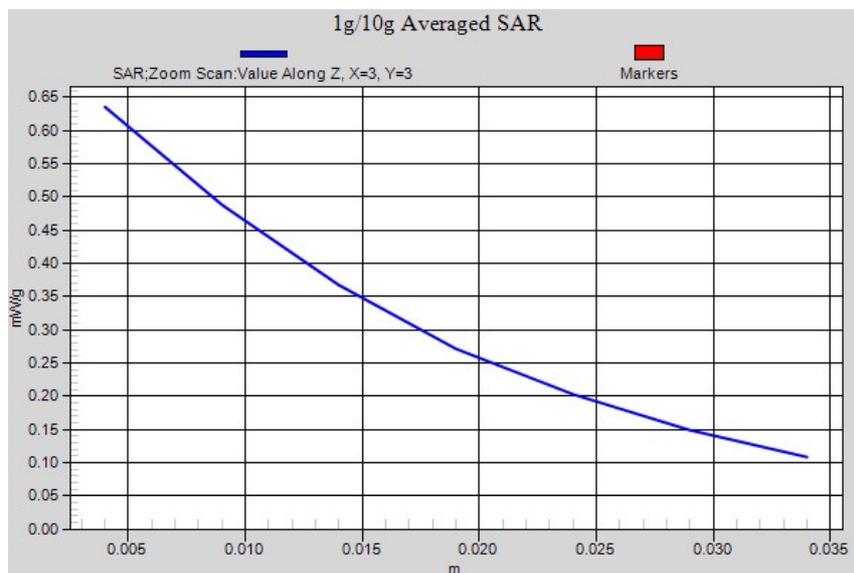
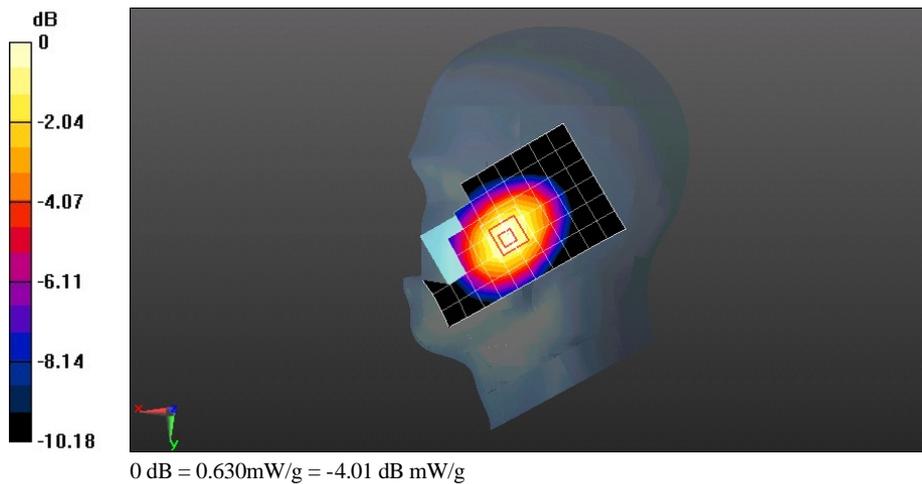
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz
 Medium parameters used: $f = 837$ MHz; $\sigma = 0.869$ mho/m; $\epsilon_r = 43.115$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.04, 9.04, 9.04); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.604 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 9.257 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 0.7800
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.417 mW/g
 Maximum value of SAR (measured) = 0.635 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 GPRS 1TS 190CH Towards Phantom 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.390 mW/g

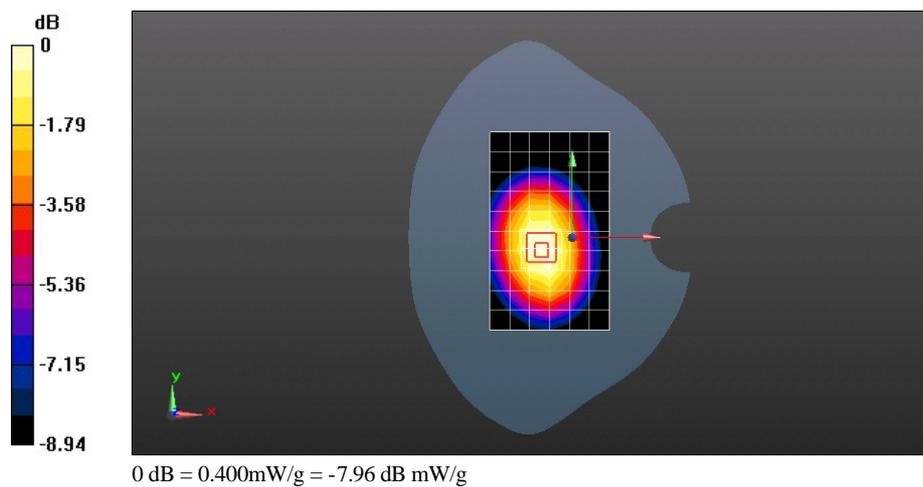
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.968 V/m; Power Drift = 0.0013 dB

Peak SAR (extrapolated) = 0.5030

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.402 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 GPRS 2TS 190CH Towards Phantom 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.421 mW/g

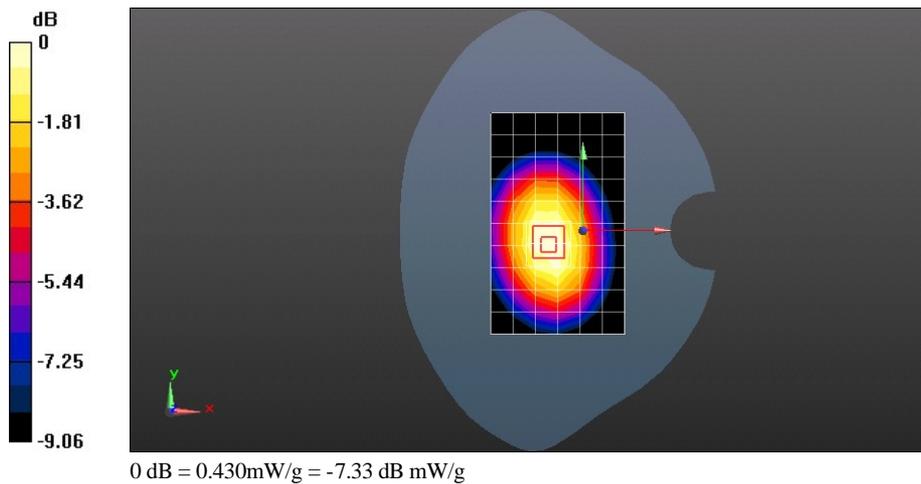
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 20.825 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.5500

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.434 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 GPRS 2TS 190CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.533 mW/g

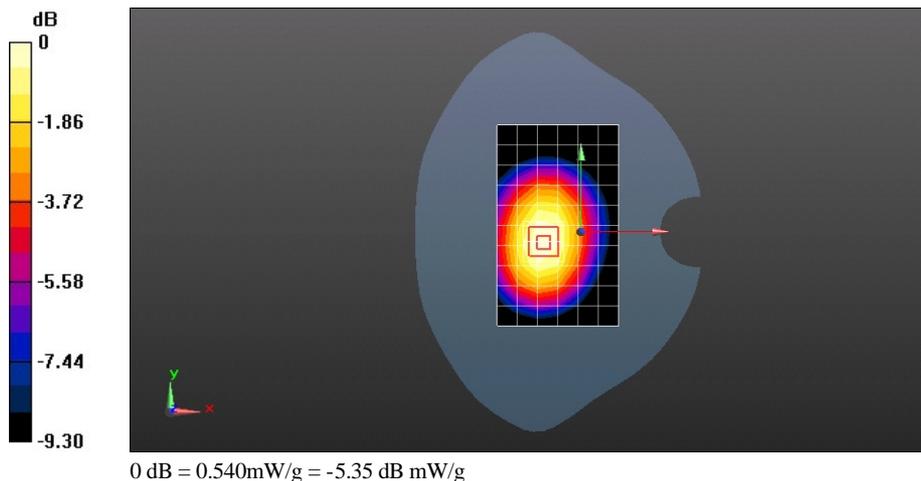
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.596 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.6700

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 0.544 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 EGPRS 1TS 190CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.491 mW/g

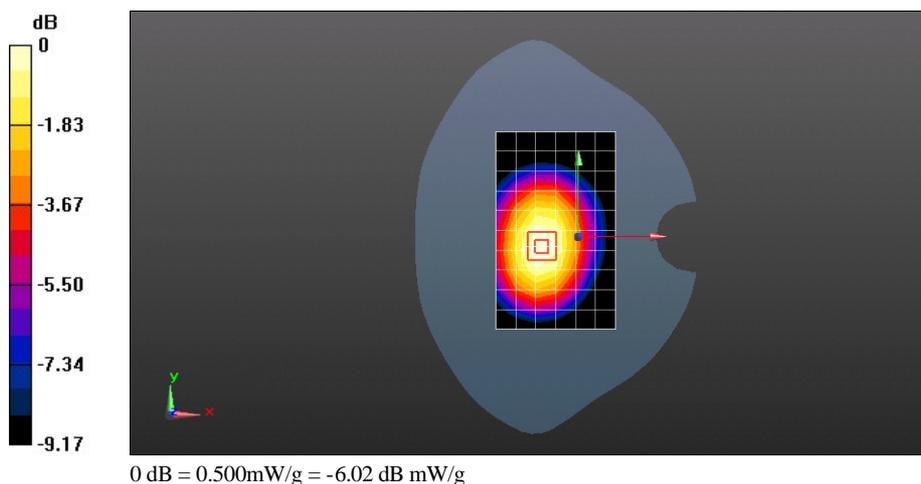
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 21.642 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.6210

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 0.503 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 EGPRS 2TS 190CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

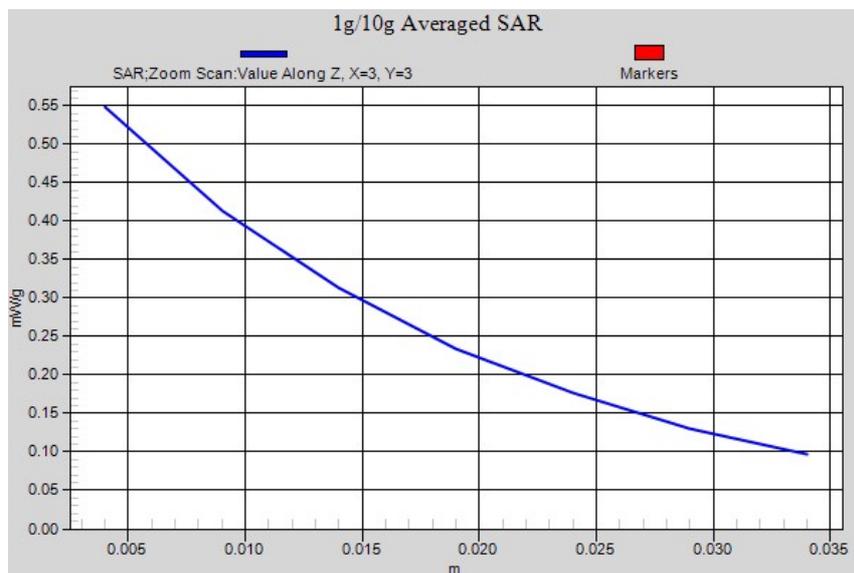
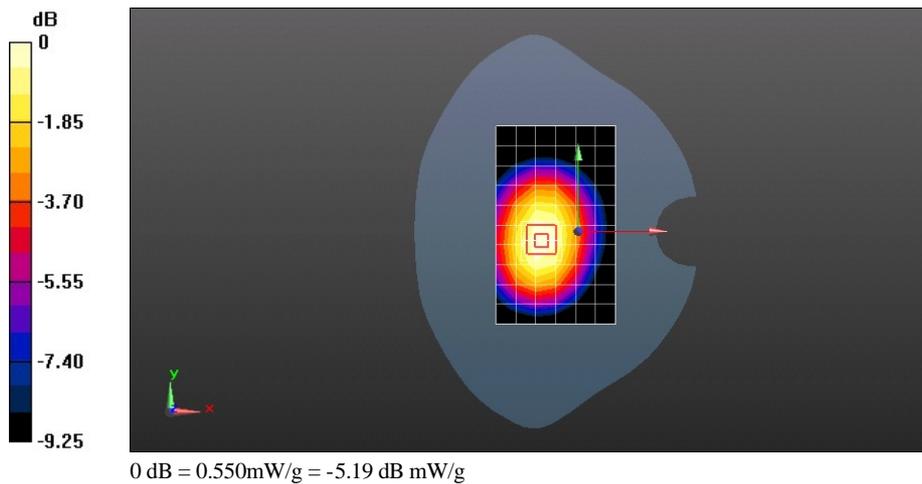
Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz
 Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.537 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 22.801 V/m; Power Drift = 0.004 dB
 Peak SAR (extrapolated) = 0.6890
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.376 mW/g
 Maximum value of SAR (measured) = 0.548 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 190CH Towards Ground 15 mm with Headset

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.299 mW/g

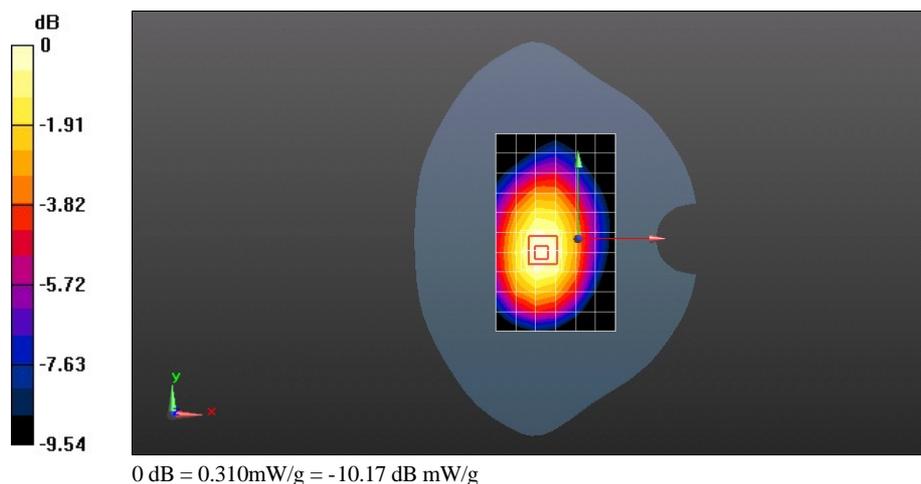
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.922 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.3850

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM850 EGPRS 2TS 190CH Towards Ground 15 mm battery SN-UNDB922XE3937369

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 836.6 MHz

Medium parameters used: $f = 837$ MHz; $\sigma = 0.939$ mho/m; $\epsilon_r = 55.565$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(9.11, 9.11, 9.11); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.518 mW/g

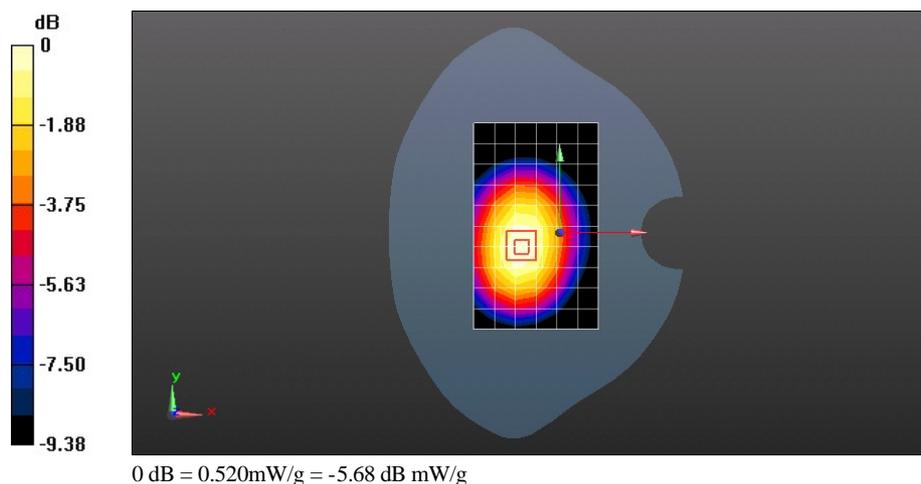
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 22.189 V/m; Power Drift = 0.0016 dB

Peak SAR (extrapolated) = 0.6510

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.525 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Left Hand Touch Cheek

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.433 mW/g

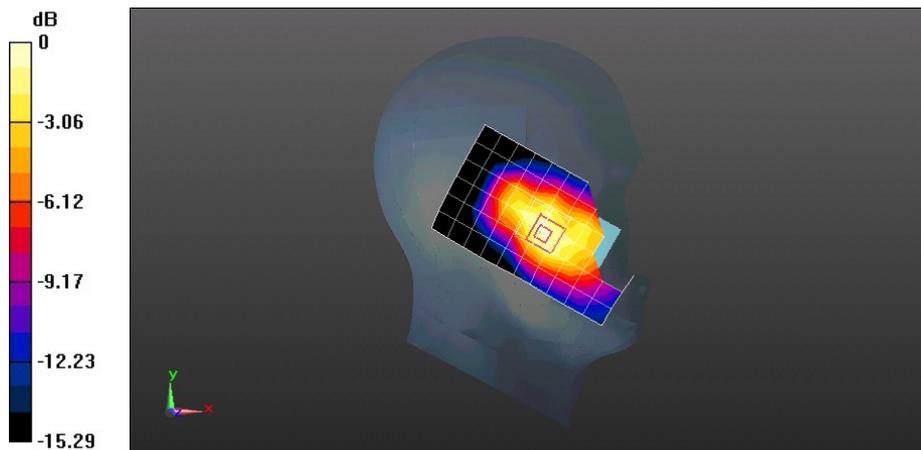
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.678 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.7350

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.482 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Left Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.300 mW/g

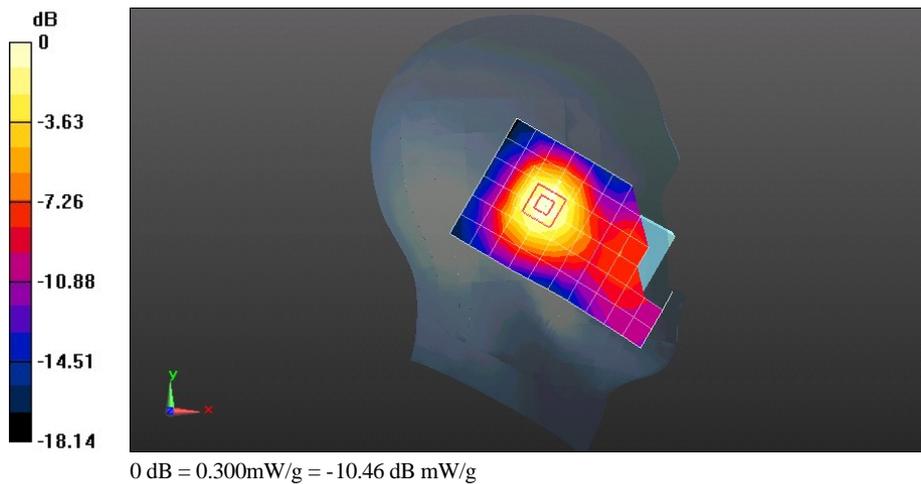
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.123 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.4170

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.303 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Right Hand Touch Cheek

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.421 mW/g

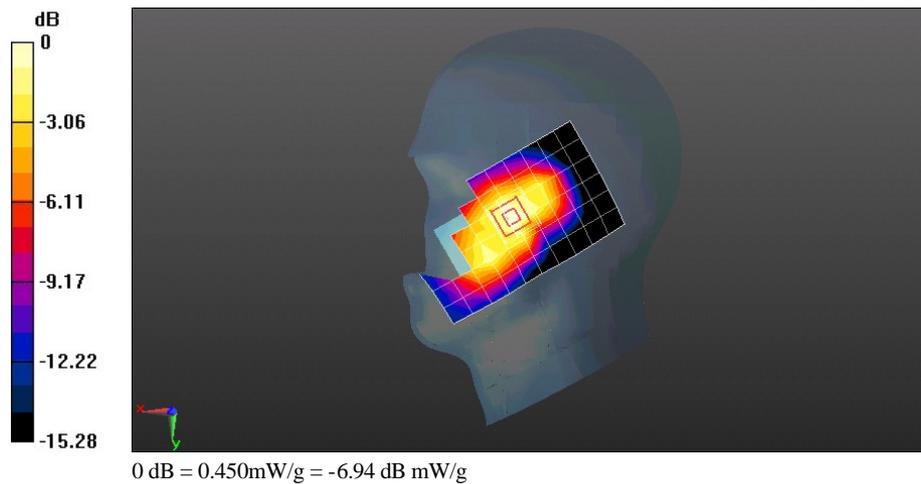
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.462 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.6780

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Right Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.322 mW/g

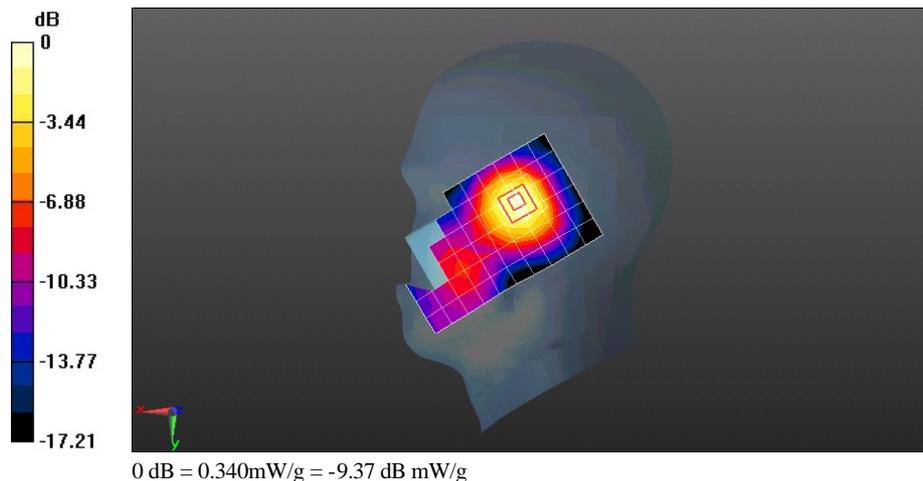
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.593 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.4780

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.337 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

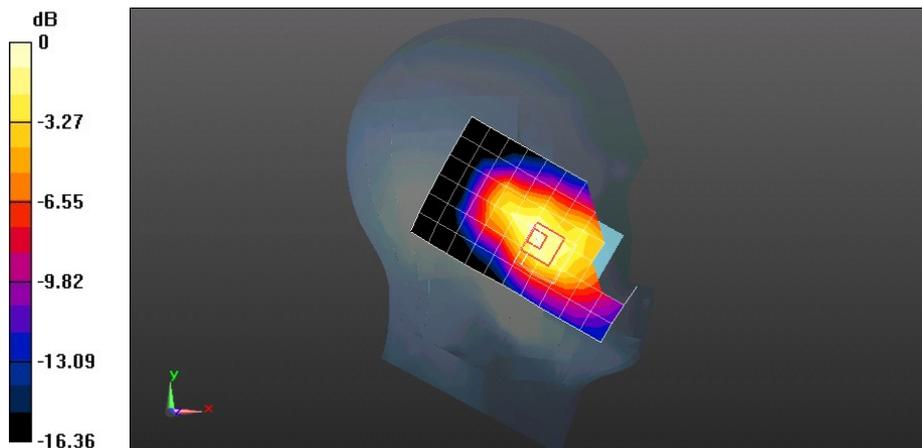
Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$; $\rho = 1000$ kg/m³
 Phantom section: Left Section

DASY Configuration:

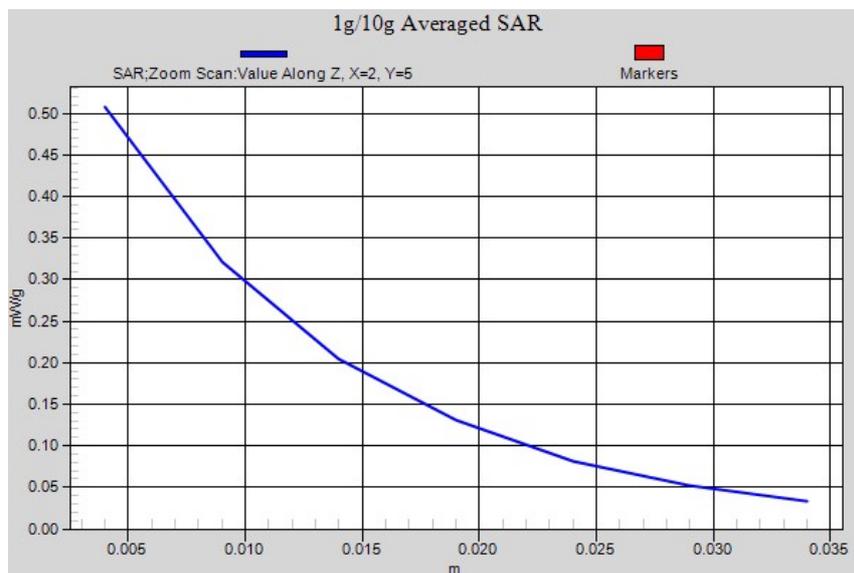
- Probe: EX3DV4 - SN3736; ConvF(7.69, 7.69, 7.69); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.436 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 3.612 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 0.7450
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.268 mW/g
 Maximum value of SAR (measured) = 0.508 mW/g



0 dB = 0.510mW/g = -5.85 dB mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 GPRS 1TS 661CH Towards Phantom 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.214 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.698 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.3340

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.223 mW/g

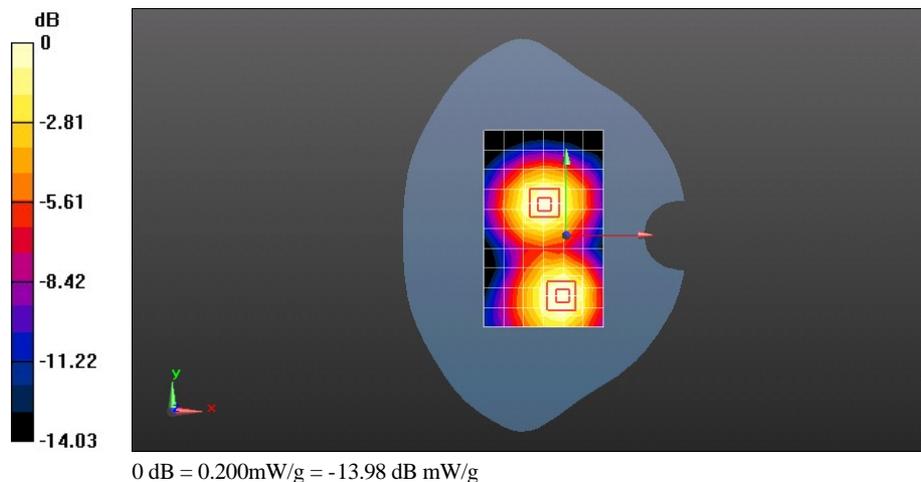
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.698 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.2940

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.204 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 GPRS 2TS 661CH Towards Phantom 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.245 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.205 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.3830

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.252 mW/g

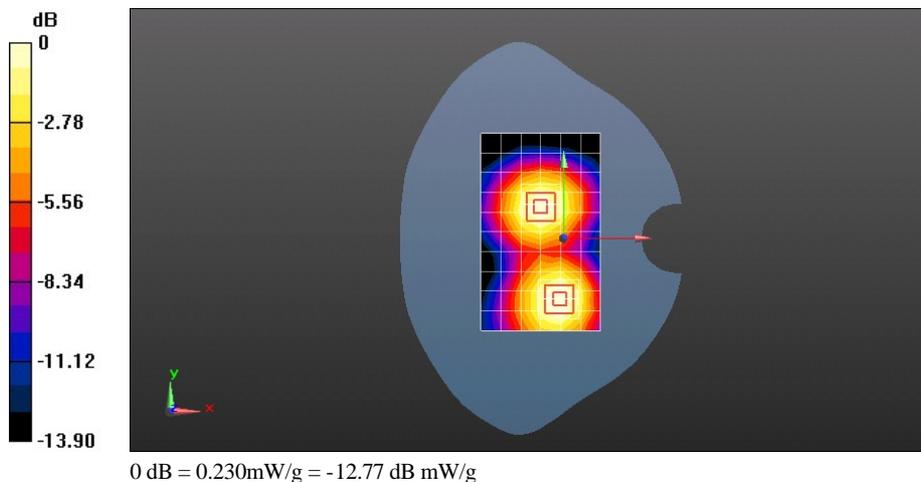
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.205 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.3370

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.234 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 GPRS 2TS 661CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.329 mW/g

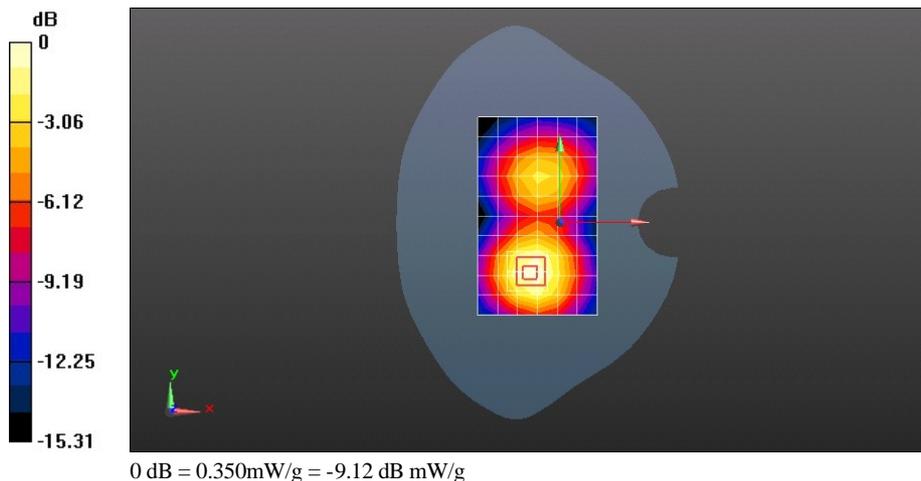
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.901 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.5260

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.346 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 EGPRS 1TS 661CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.287 mW/g

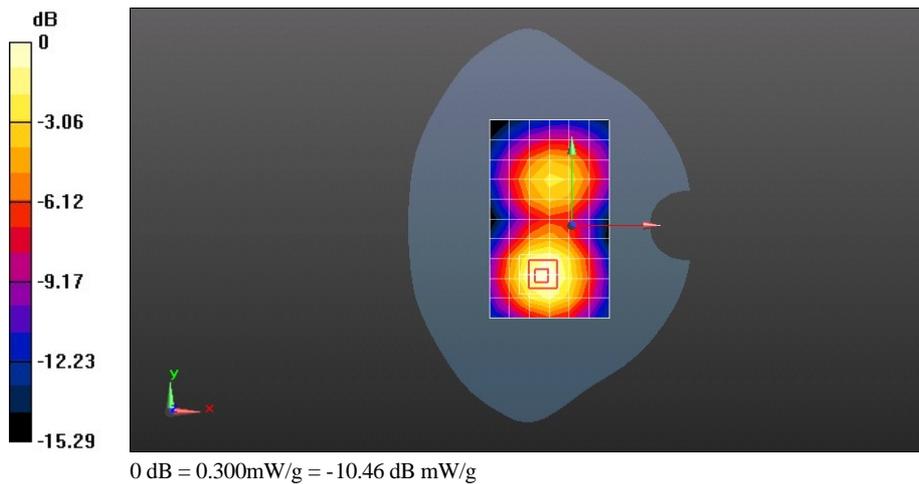
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.466 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.4660

SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.303 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 EGPRS 2TS 661CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.329 mW/g

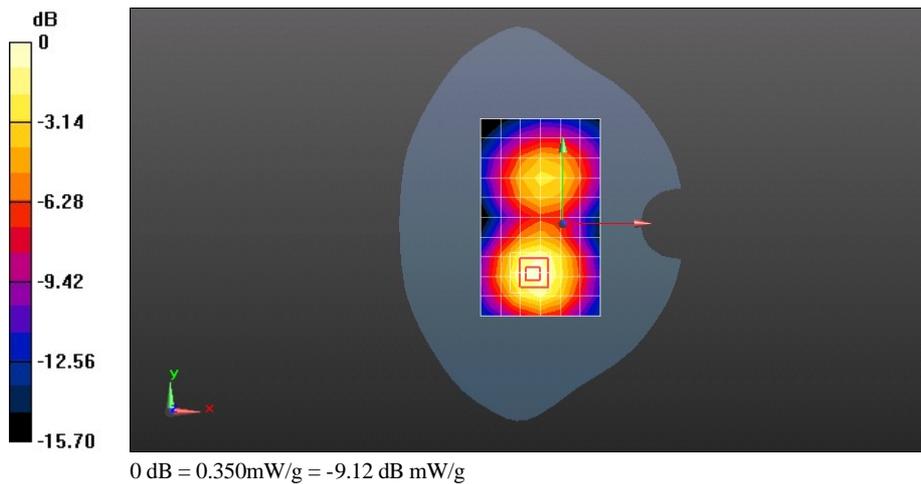
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.973 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.5280

SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.347 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 661CH Towards Ground 15 mm with Headset

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-GSM/GPRS/EDGE 1TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.259 mW/g

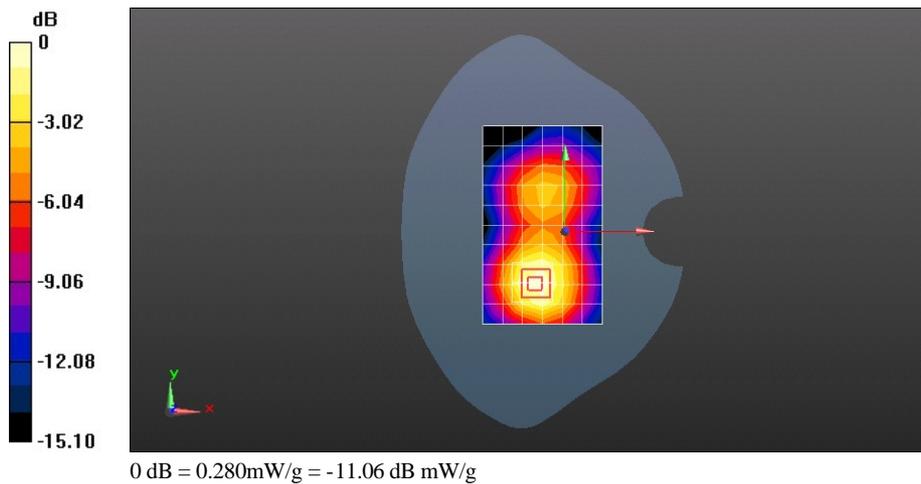
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.405 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.4200

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.153 mW/g

Maximum value of SAR (measured) = 0.276 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 GSM1900 EGPRS 2TS 661CH Towards Ground 15 mm battery SN-UNDB922XE3937369**DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001**

Communication System: HW-GSM/GPRS/EDGE 2TS; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 51.258$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3736; ConvF(7.26, 7.26, 7.26); Calibrated: 11/23/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.350 mW/g

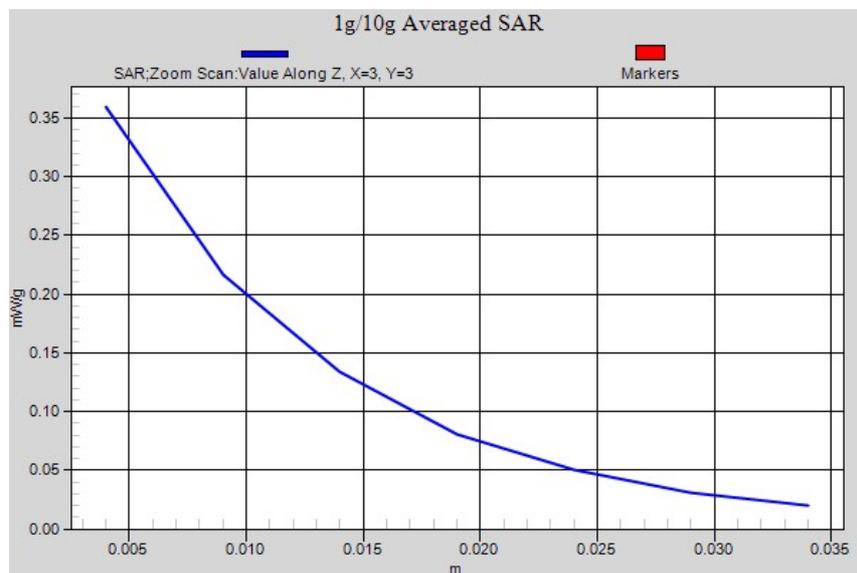
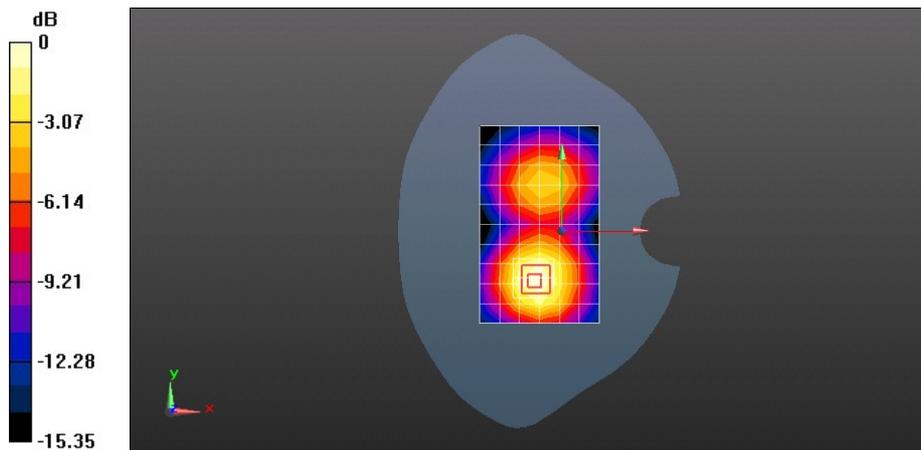
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.440 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.5530

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.198 mW/g

Maximum value of SAR (measured) = 0.359 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1513CH Left Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 38.56$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.948 mW/g

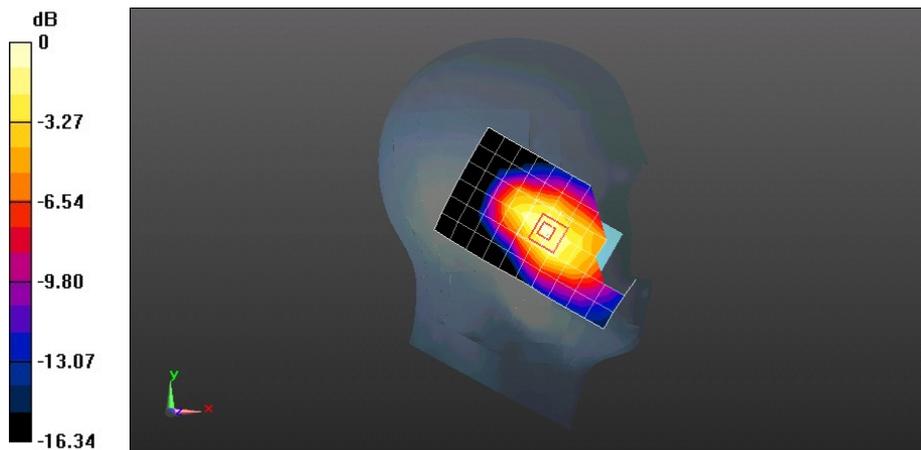
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.976 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.6360

SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.561 mW/g

Maximum value of SAR (measured) = 1.079 mW/g



0 dB = 1.080mW/g = 0.67 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Left Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.952 mW/g

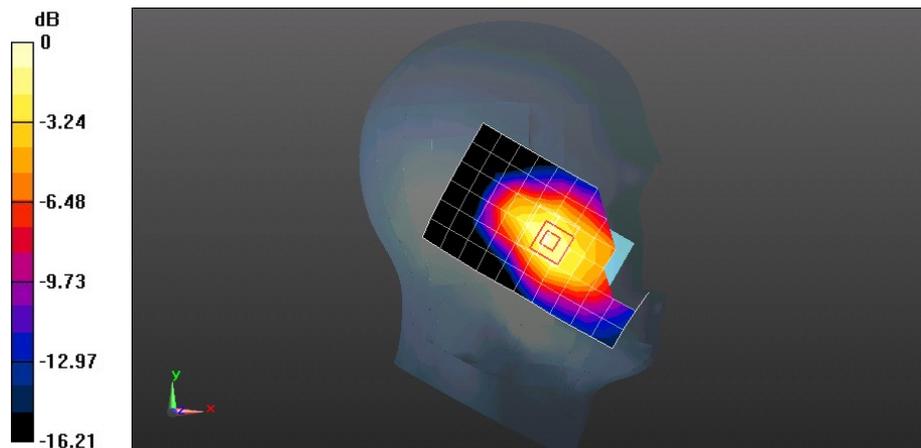
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.608 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.6570

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.566 mW/g

Maximum value of SAR (measured) = 1.106 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1312CH Left Hand Touch Check**DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001**

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.345$ mho/m; $\epsilon_r = 38.639$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.966 mW/g

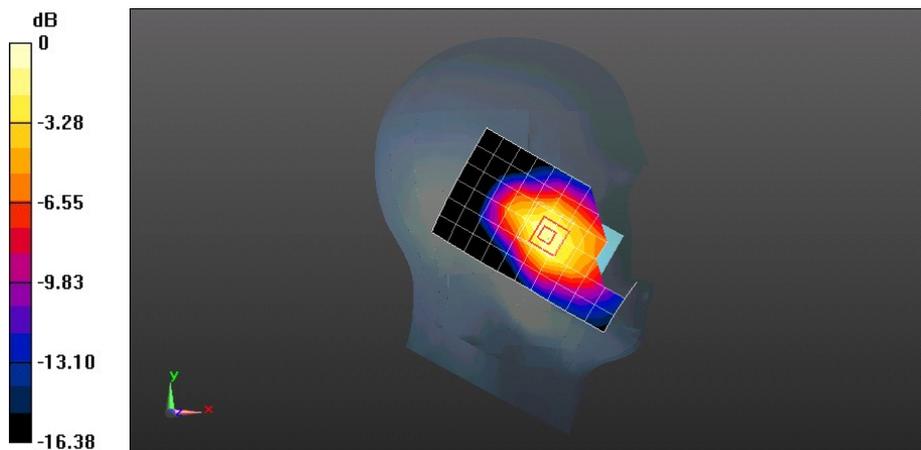
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.378 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.8440

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.604 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.185 mW/g



0 dB = 1.190mW/g = 1.51 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Left Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.618 mW/g

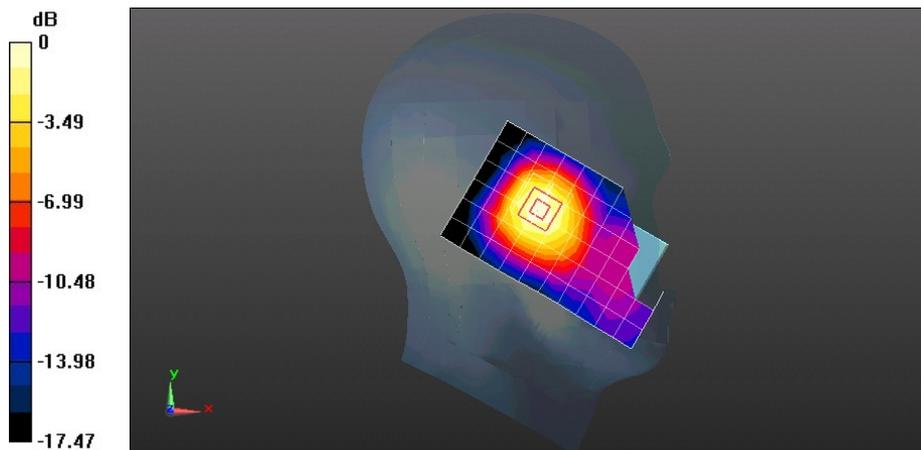
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.617 V/m; Power Drift = 0.0039 dB

Peak SAR (extrapolated) = 0.9150

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.363 mW/g

Maximum value of SAR (measured) = 0.646 mW/g



0 dB = 0.650mW/g = -3.74 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1513CH Right Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1752.6 MHz

Medium parameters used: $f = 1753$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 38.56$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.015 mW/g

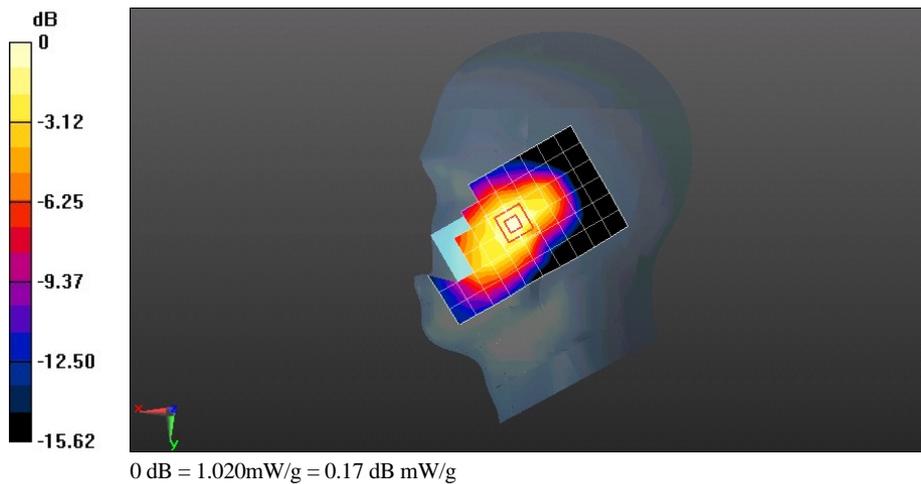
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.511 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.4720

SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 1.025 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Right Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.084 mW/g

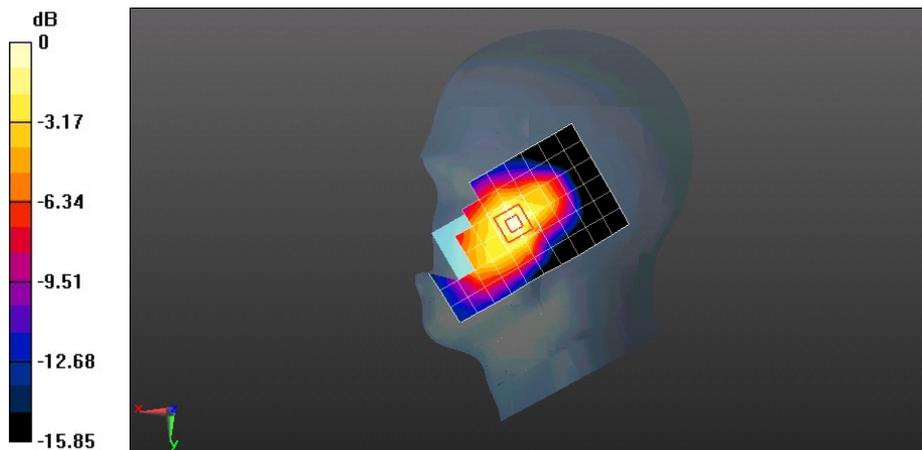
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.980 V/m; Power Drift = -0.0024 dB

Peak SAR (extrapolated) = 1.5620

SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.525 mW/g

Maximum value of SAR (measured) = 1.068 mW/g



0 dB = 1.070mW/g = 0.59 dB mW/g

Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1312CH Right Hand Touch Check

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.345$ mho/m; $\epsilon_r = 38.639$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.167 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

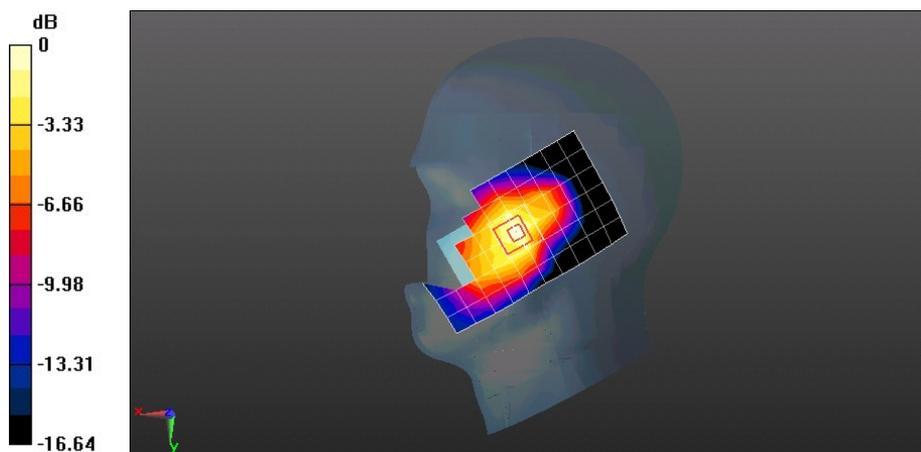
Reference Value = 6.429 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.7520

SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.552 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.153 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Right Hand tilt 15 degree

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.669 mW/g

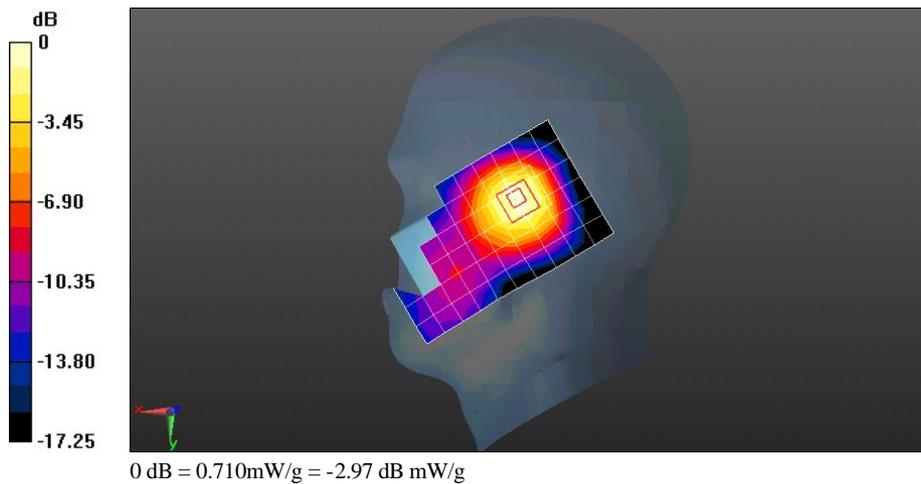
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 13.985 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.0090

SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.396 mW/g

Maximum value of SAR (measured) = 0.715 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1312CH Left Hand Touch Cheek with battery SN-UNDB922XE3937369

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1712.4 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.345$ mho/m; $\epsilon_r = 38.639$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(5.35, 5.35, 5.35); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM 2; Type: SAM; Serial: TP-1474
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Head/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.069 mW/g

Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

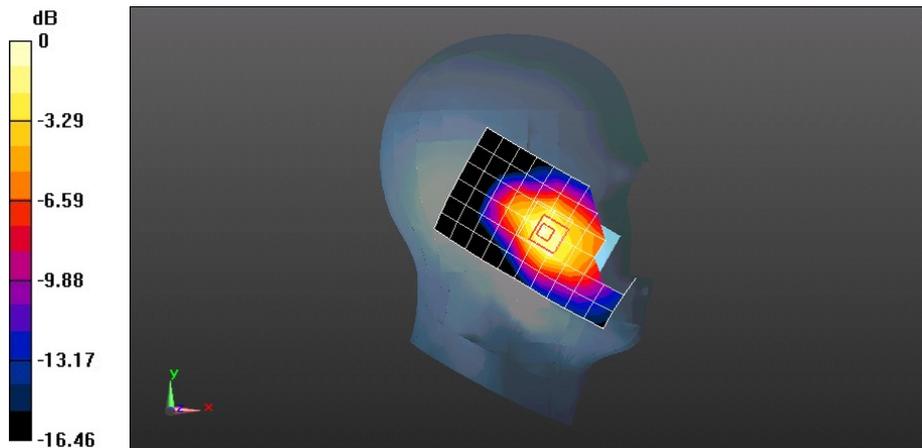
Reference Value = 4.722 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.9350

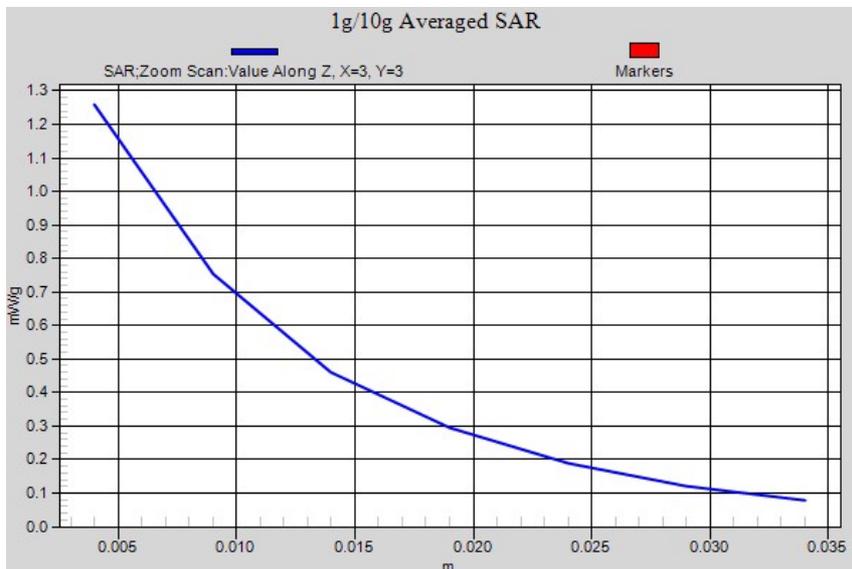
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.631 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.258 mW/g



0 dB = 1.260mW/g = 2.01 dB mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Towards Phantom 15 mm**DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001**

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.459 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.642 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.6980

SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.488 mW/g

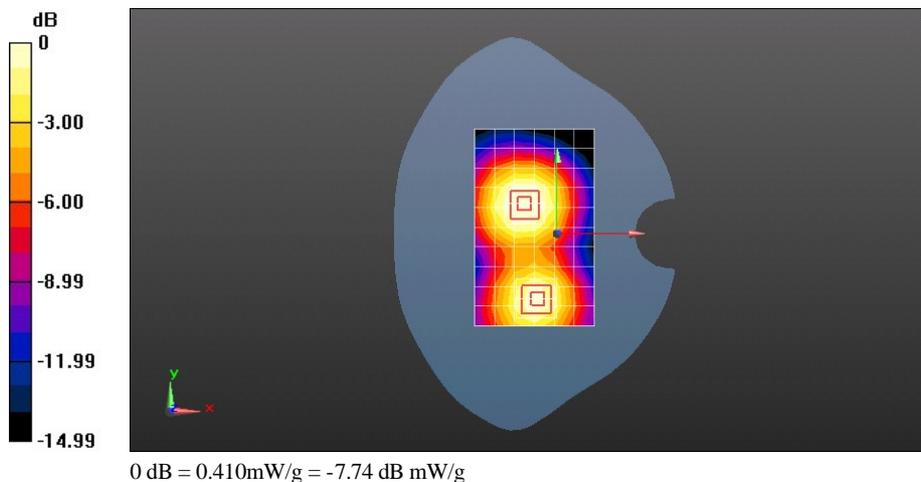
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.642 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.6220

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.411 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Towards Ground 15 mm

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

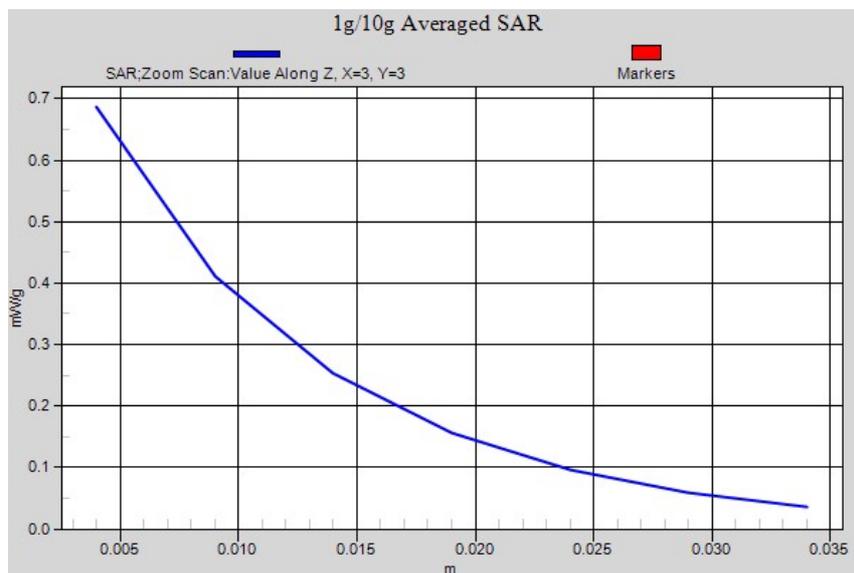
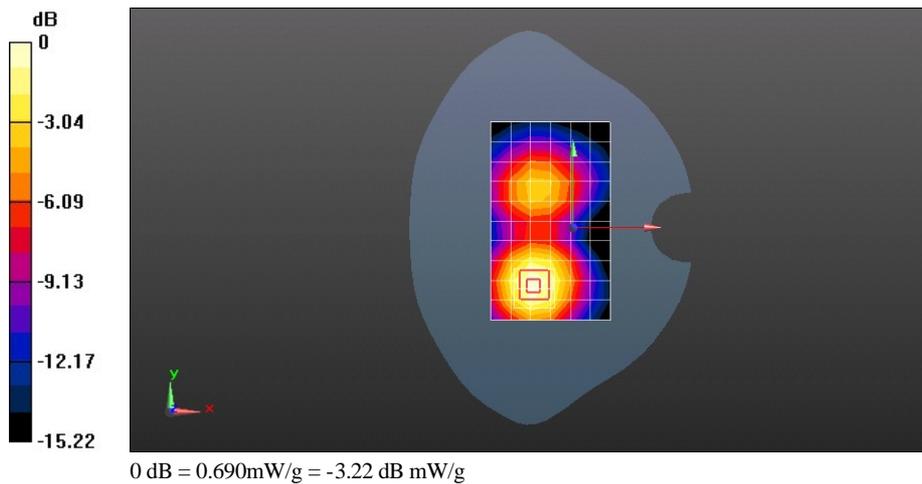
Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz
 Medium parameters used: $f = 1733$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.758$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
 Maximum value of SAR (measured) = 0.671 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 8.547 V/m; Power Drift = 0.13 dB
 Peak SAR (extrapolated) = 1.0630
SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.382 mW/g
 Maximum value of SAR (measured) = 0.686 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Towards Ground 15 mm with HSDPA

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.658 mW/g

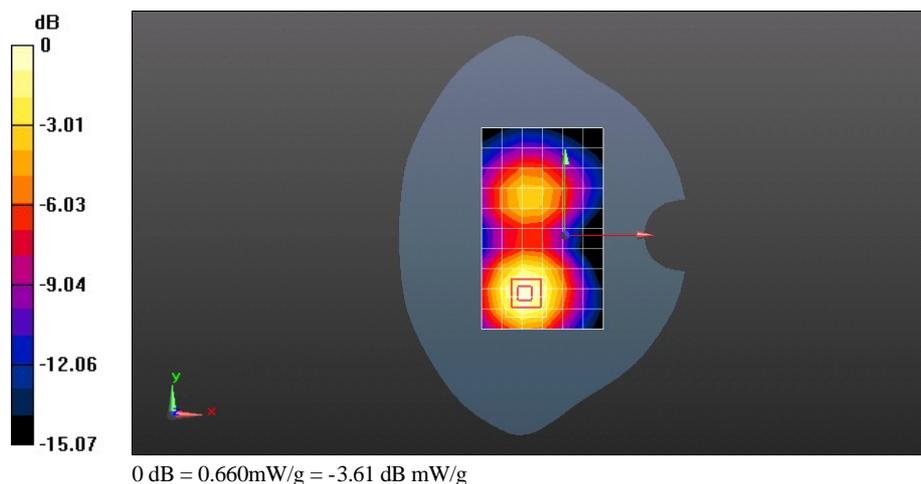
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.510 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.0330

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.664 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Towards Ground 15 mm with Headset

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.579 mW/g

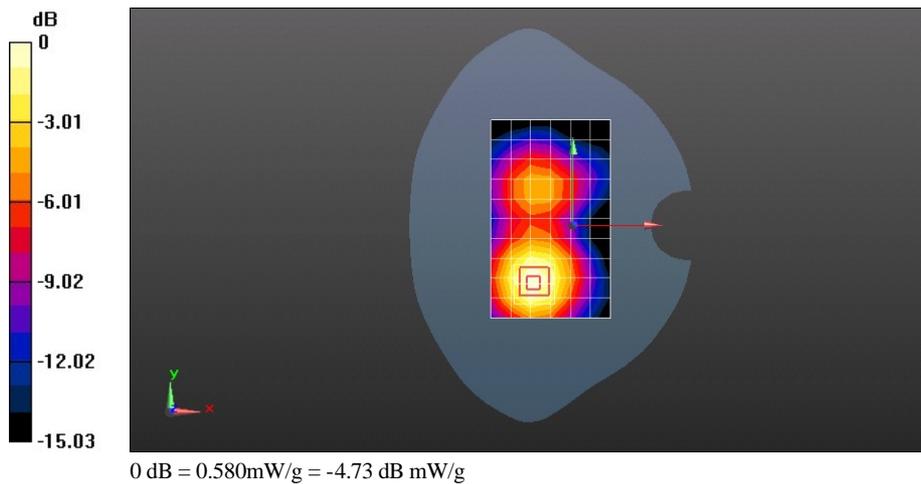
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.765 V/m; Power Drift = 0.00025 dB

Peak SAR (extrapolated) = 0.9050

SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.329 mW/g

Maximum value of SAR (measured) = 0.584 mW/g



Test Laboratory: HUAWEI SAR Lab

D51-3 WCDMA1700 1413CH Towards Ground 15 mm with battery SN-UNDB922XE3937369

DUT: D51-3; Type: HSDPA/UMTS/GPRS/GSM/EDGE Mobile Phone with Bluetooth; Serial: Q2U7NB1180400001

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz

Medium parameters used: $f = 1733$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.758$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3168; ConvF(4.79, 4.79, 4.79); Calibrated: 9/27/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn852; Calibrated: 11/16/2011
- Phantom: SAM1; Type: SAM; Serial: TP-1475
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Body/Area Scan (7x11x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.679 mW/g

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.185 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.0530

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.379 mW/g

Maximum value of SAR (measured) = 0.683 mW/g

